

Amendments to the Claims

1-8. (Cancelled)

9. (New) A method for collecting acrylic acid comprising the step of collecting acrylic acid using an aqueous medium introduced into a collection device from a reaction gas, comprising acrylic acid obtained by catalytic vapor-phase oxidation of propane, propylene, and/or acrolein, and introduced into the collection device,

wherein the method further comprises the step of adjusting at least one selected from the group consisting of an amount of water distilled from the collection device, an amount of the reaction gas supplied before collection, an amount of the aqueous medium used, and a moisture content in the aqueous medium, and

the method is conducted while maintaining the following condition: $(B/A) < 1.25$, wherein A represents a weight fraction of acrylic acid to all condensable ingredients in the reaction gas before collecting acrylic acid and B represents a weight fraction of acrylic acid in bottoms of the collection device used in the step of collecting.

10. (New) The method for collecting acrylic acid as described in claim 9, wherein the aqueous medium is an aqueous solution that comprises at least 90 wt% of water.

11. (New) The method for collecting acrylic acid as described in claim 9, wherein the collection device comprises a collection column.

12. (New) The method for collecting acrylic acid as described in claim 9, wherein the collection is performed while a temperature of a top of the collection column is kept within a predetermined range.

13. (New) The method for collecting acrylic acid as described in claim 10, wherein the collection device comprises a collection column.

14. (New) The method for collecting acrylic acid as described in claim 10, wherein the collection is performed while a temperature of a top of the collection column is kept within a predetermined range.

15. (New) The method for collecting acrylic acid as described in claim 11, wherein the collection is performed while a temperature of a top of the collection column is kept within a predetermined range.

16. (New) The method for collecting acrylic acid as described in claim 13, wherein the collection is performed while a temperature of a top of the collection column is kept within a predetermined range.